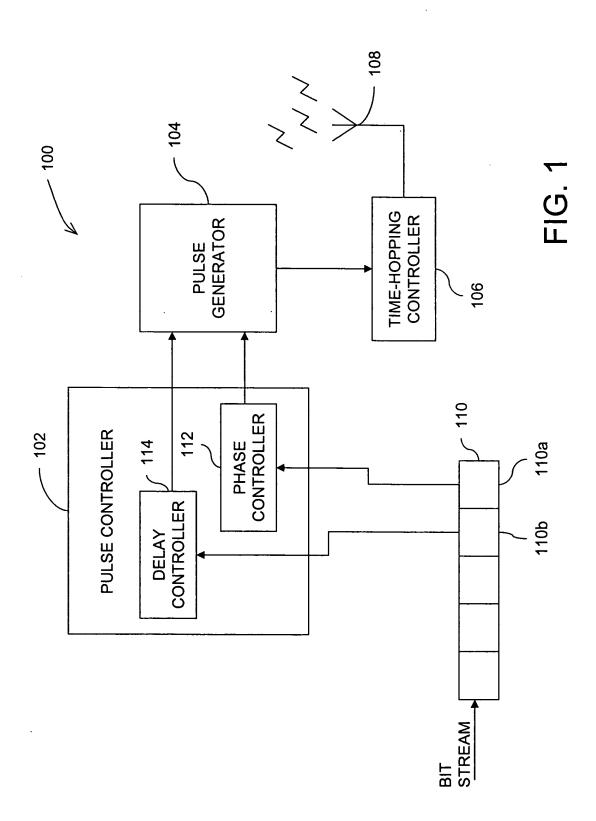
Inventor(s): Joao Miguel Romano et al.
Title: METHOD AND APPARATUS FOR
MODULATING A PULSE SIGNAL WITH A BIT
STREAM
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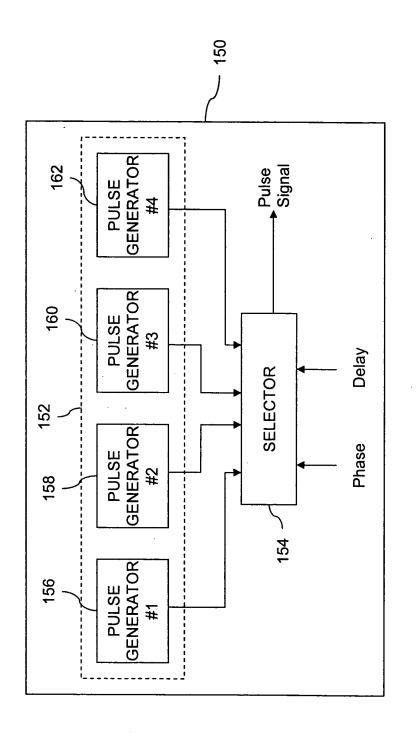


FIG. 1A

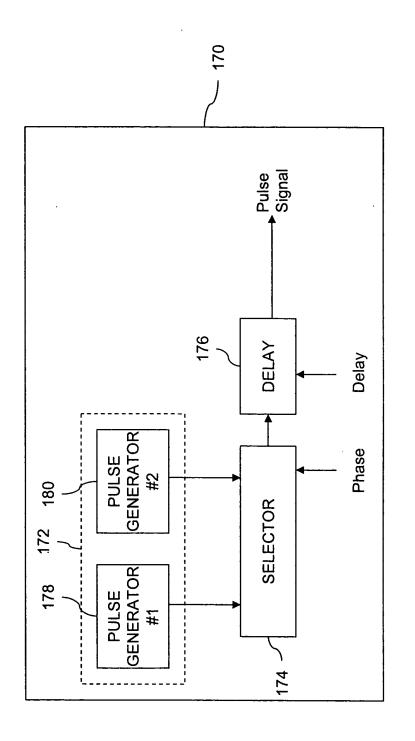
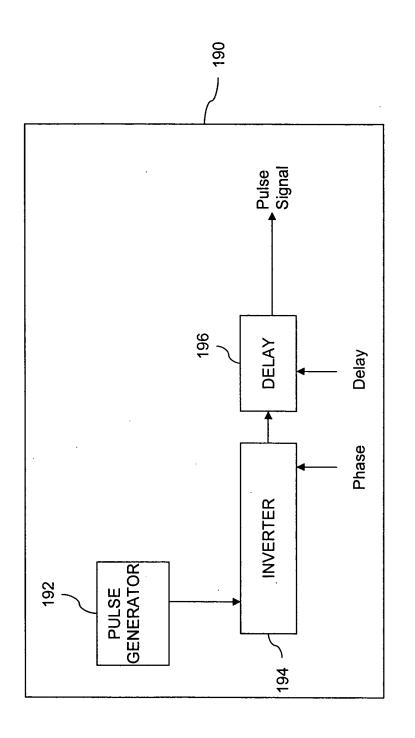


FIG. 1B



MODULATING A PULSE SIGNAL WITH A BIT STREAM Attorney Docket No.: MATI-227US - 200 202 Receive bit stream. Generate a phase signal 204 responsive to the bit stream. 206 Generate a delay signal responsive to the bit stream. Generate a Pulse Signal, the Signal Pulses within the Pulse Signal being: 208 1) selectively inverted responsive to the phase signal; and 2) selectively delayed responsive to the delay signal. 210 Time-hop Pulse Signal.

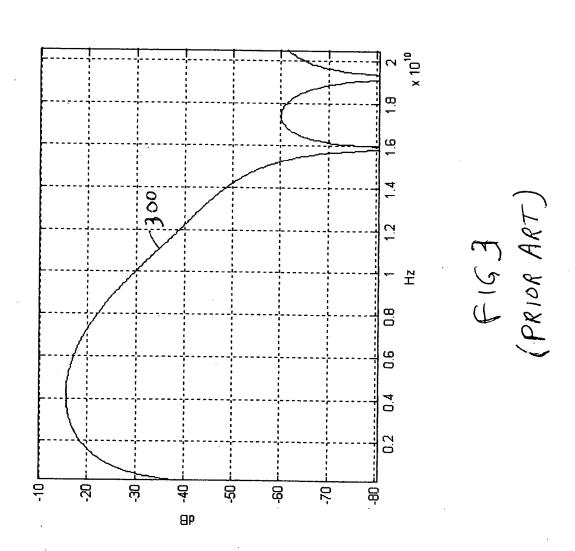
Transmit Pulse Signal.

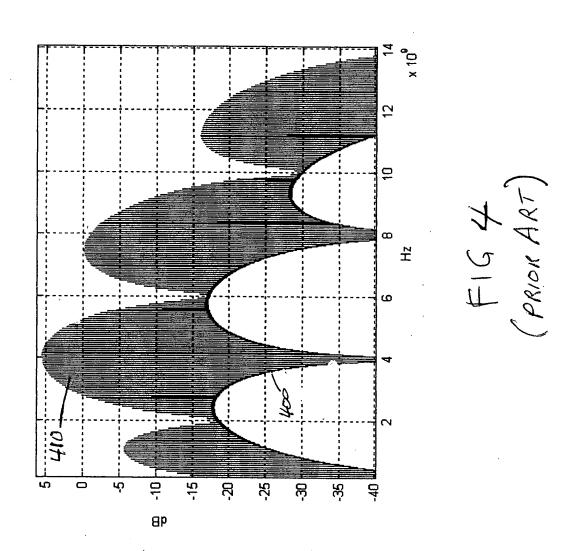
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FIG. 2

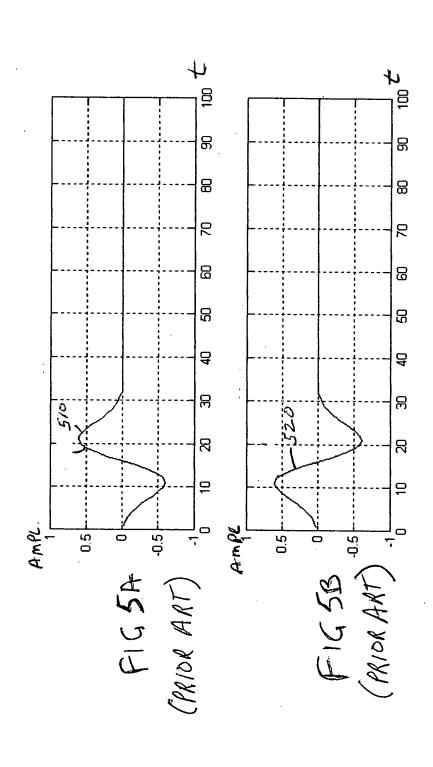
212

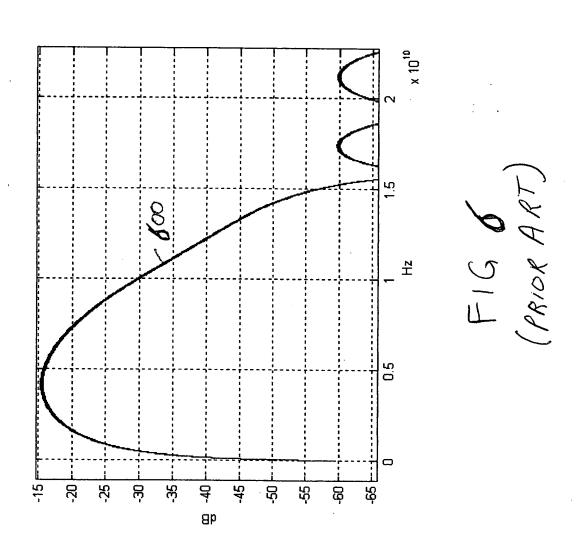
STREAM





STREAM





STREAM

